

Title (en)  
Spot-welding electrode holder.

Title (de)  
Punktschweisszange.

Title (fr)  
Pince à souder par points.

Publication  
**EP 0500410 B1 19941228 (FR)**

Application  
**EP 92400282 A 19920204**

Priority  
FR 9102030 A 19910220

Abstract (en)  
[origin: US5128510A] An articulated pair of spot welding tongs comprising two supports (1,2) of the male and female type, each having a fork joint and an orifice, and two interchangeable arms (3,5), each carried by one of the supports. Each support is made from aluminum and treated by hard anodizing. A pin (13) traverses the two orifices, and carries two plates (39,40), each plate comprising a metal support plate covered by a coating based on fluorocarbonated fibers. The welding tongs can be used for a long period of time without any need for changing the insulating elements.

IPC 1-7  
**B23K 11/28**; **B23K 11/31**; **B23K 11/36**

IPC 8 full level  
**B23K 11/11** (2006.01); **B23K 11/28** (2006.01); **B23K 11/31** (2006.01)

CPC (source: EP US)  
**B23K 11/28** (2013.01 - EP US); **B23K 11/314** (2013.01 - EP US)

Cited by  
FR2808309A1; WO0174161A3; US6720170B2; US7297351B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**US 5128510 A 19920707**; AT E116178 T1 19950115; CA 2060974 A1 19920821; CA 2060974 C 19991026; DE 69200974 D1 19950209; DE 69200974 T2 19950504; EP 0500410 A1 19920826; EP 0500410 B1 19941228; ES 2066566 T3 19950301; FR 2672830 A1 19920821; FR 2672830 B1 19930430; JP H04266486 A 19920922; JP H0775783 B2 19950816; RU 2060133 C1 19960520

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**US 68665191 A 19910417**; AT 92400282 T 19920204; CA 2060974 A 19920211; DE 69200974 T 19920204; EP 92400282 A 19920204; ES 92400282 T 19920204; FR 9102030 A 19910220; JP 20681891 A 19910819; SU 5011099 A 19920219